

Patent Application of Michael J. Doyle for "HEATER PIPE FOR RADON
MITIGATION" continued

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Abstract: A method and apparatus for radon mitigation using convection versus a fan to exhaust soiled radon contaminated air from beneath a building or dwellings foundation slab. Two suitable orifices one at each end of a dwellings foundations slab are created. On top of one orifice, a section of pipe with a heating element inside is placed. This is coupled with additional sections of pipe and routed vertically thru the dwellings roof. The heating element creates convection, which draws the air beneath the slab up exiting the dwelling at the roof. At the opposite end orifice a fresh air inlet pipe is placed drawing air from outside of dwelling. A suitable layer of gas permeable material is required under the slab for fresh air to flow. One major advantage of the heating element opposed to a fan is its indefinite life span.